Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 14 Sep 2023 until 23:59 on Friday 15 Sep 2023

Forecast Issued on Thursday 14 Sep 2023 at 04:01

Confidence: Only moderate for the details of the forecast today. Confidence greater for Friday to be a more pleasant day, with confidence then reducing again regarding thundery showers into the weekend.

Headline for Thursday 14 Sep 2023: Largely cloudy with the risk of outbreaks of rain throughout.

Mountain weather hazards on Thursday 14 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Light rain	Light rain
Precipitation probability					
80%	70%	70%	60%	60%	40%

Forecast for Thursday 14 Sep 2023

Weather: Persistent rain and drizzle expected to continue throughout much of the day, likely heavy at times, especially across western and southern peaks. Rain may clear from the north of the peaks at times to give some clearer and potentially brighter conditions but low confidence in any more long lived improvements.

Chance of cloud-free hill tops above 600m: 20% in the south, 40% in the north, with the greatest chances in the far north and east.

Low cloud and visibility: Extensive low cloud expected across the park with bases around 400-600m. Bases may rise to around 600m to the north of the peaks, perhaps breaking up at times. Again confidence is low regarding details and it may be the case all hills are completely shrouded in low cloud throughout. Visibility expected to be generally moderate, deteriorating to very poor in cloud.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Thursday 14 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	21/27 SW	14/18 SW	10/14 SW	8/10 W	5/7 SW	6/8 SE	11/15 S
300	17/25 SW	10/13 SW	6/9 SW	5/8 W	3/5 SE	4/6 S	8/13 S
Valley	10/22 SW	7/11 SW	5/9 SW	3/6 W	1/4 N	2/5 E	4/11 SE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/7	11/9	12/10	12/11	12/12	12/11	12/10
300	12/9	13/11	14/13	14/14	14/14	14/14	14/13
Valley	12/11	13/12	15/15	15/15	15/15	14/15	14/14
Freezing Level*	3100m	2900m	3100m	3100m	3100m	2900m	2900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A cloudy and wet day across the slopes, good waterproofs will be required and they may not have the time to dry off with rain fairly persistent. Widespread low cloud leading to poor visibilities so good navigation skills likely to be required.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 14 Sep 2023	0mm	0mm	0mm

Forecast for Friday 15 Sep 2023

Weather: Thursday's rain expected to clear northwards through the early hours of Friday morning to leave a much more pleasant day on the slopes. Patchy low cloud may linger across the tops at first, before lifting and breaking through the morning to give some good sunny spells in the afternoon.

Maximum wind: South-easterly 10-15mph, gusting 20mph.

Chance of cloud-free hill tops above 600m: 40% rising to 90% through the morning.

Low cloud and visibility: Patchy low cloud may cover slopes above 400-500m at first, soon clearing off the highest tops through the morning. Visibility poor at first in cloud, but soon becoming very good from most of the day.

Temperature: **Valleys:** Plus 12 rising to plus 18 Celsius
At 600m: Plus 11 rising to plus 15 Celsius
Freezing level: Above summits

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